

### PUBLICATIONS

**Basson, G.:** An explicit finite difference method for analysing hazardous rock mass. MSc thesis, University of Stellenbosch (2011).

**Basson, G.:** A Material Point Method to simulate macro-scale problems in mining. PhD thesis, University of Tasmania (2022).

**Basson, G., Bassom, A.P., Salmon, B.:** Simulating hydraulic fracturing preconditioning in mines with the material point method. *Journal of Applied Geophysics* 195, 104471 (2021).

**Basson, G., Bassom, A.P., Salmon, B.:** Simulating mining-induced seismicity using the material point method. *Rock Mechanics and Rock Engineering* 54(6), 4483–4503 (2021).

**Basson, G., Bassom, A.P., Salmon, B.:** A flux-based approximation to simulate coupled hydromechanical problems for mines with heterogeneous rock types using the material point method. *Computer Modeling in Engineering and Sciences* 131(1), 379–409 (2022).

Malovichko, D., **Basson, G.:** Simulation of mining induced seismicity using Salamon–Linkov method. *Proceedings of the Seventh International Conference on Deep and High Stress Mining* (eds. M Hudyma & Y Potvin), Australian Centre for Geomechanics, Perth (2014).

Meyer, S., Doolan, J., Chester C., **Basson, G.:** Rapid assessment of the spatial extent of strong ground motion in mines – ShakeMap approach. *Fourth International Symposium on Block and Sublevel Caving, Canada* (2018).

Chester, C., Cuello D., **Basson G.:** Development and implementation of the Short Term Activity Tracker and Mine Control Trigger Response System. 521-532. *Fourth International Symposium on Block and Sublevel Caving, Canada* (2018).